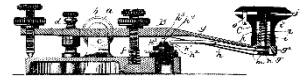




Bexar Wire

San Antonio Radio Club
W5SC



2016, No. 11

November 2016



Bob Rodriguez, K5AUW, making a presentation on Measuring Resistance at the SARC meeting on October 13, 2016



Harold Fleischer, AE5AS, President, SARC, presenting Bob Rodriguez, K5AUW, a Program Certificate of Achievement for his excellent presentation

PSK31

Our next club meeting will be at 7:00 p. m. on Thursday, November 10, 2016, at Grady's Barbeque, 327 E. Nakoma Dr., San Antonio, TX 78216. The program will be a presentation on PSK31, which is a digital transmission mode, by Bob Rodriguez, K5AUW, who uses PK31 frequently. Come early and join us for supper.

Measuring Resistance

At the 7:00 p. m. on Thursday, October 13, 2016, at Grady's Barbeque, the program was on Measuring Resistance. Bob Rodriguez, K5AUW, was the presenter for this program.

Bob, K5AUW, had a somewhat unusual setup. He had a simple video camera connected to his laptop computer that was set on a flexible light that was used to focus on the multimeter below it on the table that he was using as he was making various measurements. The laptop computer was, in turn, connected to a video projector that displayed whatever the current reading was on the projection screen. It was very effective.

He was using a 4 Pole Method to accurately measure low resistance. He had a constant current that he passed through resistance and then measured voltage. Ohms law gives you resistance. He measured some common power connectors in amateur radio. He then measured Anderson power pole connectors in the same application. The Anderson power poles had dramatically less resistance. Hence, Hams trying to minimize resistance loss when it comes to power should be using Anderson power poles, which is way they get a lot of exposure in the Ham press.

Harold Fleischer, AE5AS, President, presented Bob, K5AUW, with a Program Certificate of Achievement after his presentation.

SAN ANTONIO RADIO CLUB

PRESIDENT'S RADIOGRAM

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
11	R		AE5AS		San Antonio, TX		Nov.

TO
W5SC

I just talked to Linda Bruno (4:47 p. m. on Nov 7, 2016). Joe Bruno, W5AUQ, is still in Northeast Baptist's Acute Care Unit. He is progressing, but it is slow. Their joint assessment is that everything is positive, just slow. That is good news. The other good news touched upon in the article in this newsletter on the move of our Field Day Equipment is how members came together to get the move done so as to relieve Joe, W5AUQ, of his concerns about it. All members knew that Joe, W5AUQ, needed to focus on his medical issues and not this move. He did get both get well cards that Lloyd Swartz, KF5ZHW, picked up and had us sign. There was a comment on the perverse nature of the kitten get well card. (Linda told me that the infection from the cat bite is clearing up nicely.)

Getting the move done was a big deal. If Joe, W5AUQ, had been driving it, I know that a lot of the same people would have helped. We had to take over the leadership and coordination aspects as well.

Radio Fiesta 2017 is beginning to take more time. I know the Rowena Archer, KF5JCZ, felt the work load increase as well at this time of year for Radio Fiesta. She contains to mentor me along. The three coordinators are delivering for me like they did for her. I look forward with some trepediation at hitting the next major milestone, the mailing of the flyers. I expect activity to really pick up then.

In addition to moving equipment and working on Radio Fiesta, SARC is also doing other things: JOTA and license testing. There are articles about both in this newsletter. SARC always has more than one iron in the fire.



Harold AE5AS

Bexar Wire

Published monthly by:
San Antonio Radio Club

Harold C. Fleischer, III AE5AS
President

Harold C. Fleischer, III AE5AS
Editor
210-497-2532
haroldcf@swbell.net

The due date for articles is the Friday before the first Monday of the month.

Call to Order at 7:02. There were 24 members present.

Introductions by those present

Harold Fleischer, AE5AS, then turned the meeting to Rodney Brown, AA5RB, Vice President, who introduced the program. The program was presented by Bob Rodriguez, K5AUW, was about Measuring Resistance. Rodney Brown, AA5RB, thanked Bob Rodriguez, K5AUW, and turned the meeting back over to Harold Fleischer, AE5AS, who immediately presented Bob Rodriguez, K5AUW, with a Program Certificate of Appreciation.

Agenda Reviewed

Approval of Minutes of the Last Meeting – Approved as published in the October 2016 newsletter.

Officer Reports:

President

The tower, antennas, etc. formerly at Kcomm has been delivered to a SARC member except for the 6M antenna, which will be addressed before the end of the month.

Appointments

Need a Newsletter Editor

I am working a little with Mike Check on the Yahoo Group as it is sending out a cryptic monthly meeting reminder. We are baffled by the problem, but we will work it out.

Vice President – Future Program: The program in November 2016 will be on PSK31, Bob Rodriguez, K5AUW.

Secretary – Correspondence and Progress on assembling Key Official Documents – no change
Did have some cards for members to sign for Joe Bruno, W5AUQ, in hospital.

Treasurer – Financial Report was made. Money from antenna and several Fiesta vendors has been deposited.

Newsletter Editor - October 2016 newsletter was sent out by Rowena Archer on Oct 10, 2016.

Webmaster – Priority to posting meeting announcement and newsletter.

Need pictures of Pat Knight, JC Smith and Joe Bruno

Chairman of the Board Report –Bob Rodriguez, K5AUW, announced that the Board met last month to discuss governance documents and authorized various checking and updating activities, approved the expenditure of shelving at the new storage site, and approved design of a power switch for Field Day. Field Day 2016 lessons learned still need further review by the Board.

Committee Reports

Education and Training – Bob Rodriguez, K5AUW, reported that he Extra Class is planned for early next year and he made a handout available about it. Jan 8, Feb 4, 11, 18 from 9am to 5pm Christa Santa Rosa Medical Center Hospital, in Kingman room. Cost \$15.00 for test. Book available amazon, Gordon West, W5YI Extra Class Book. Available at www.w5yi.com.

Emergency Communications –JC Smith, N5RXS, reported that the emergency preparedness exercise went pretty well and that, as expected, there were lessons learned.

Executive – No meetings since last month and none planned for immediate future.

Field Day - Joe Bruno, W5AUQ, is ill and is either in the hospital or at home recovering.

We will work with his wife, Linda Bruno, who is the landlord to get the storage area set up and then move equipment by the end of the month. The plan is to only let Joe Bruno be a sidewalk superintendent. Anyone able to help on this is asked to let me know. On Monday, it is intended to see if Joe is doing well enough that Linda can spare us time to coordinate our work.

Finance and Review – Inactive until next January.

JOTA – Bob Rodriguez, K5AUW, announced JOTA will be held at the Texas Transportation Museum this Saturday, Oct 15, 2016, and he really needs help because Joe Bruno, W5AUQ, who has helped him in the past, is ill. Setup starts at 9:30 a. m., and the working hours with the Scouts are from 10:00 a. m. to 5 p. m.

Membership – Tom O'Brien reported the number of 2016 members is: 103.

He has started working up a different procedure from the one he was working on to obtain each month's new ham list. He has successfully the San Antonio metropolitan 782 zip code. It still needs work, but it looks promising.

Nominating – Lew Archer, W0YVY, reported that they have a slate of four one-year elected officers and one five-year Director to fill. The nominees are:

For President: Harold Fleischer, AE5AS

For Vice President: still open

For Secretary: still open.

For Treasurer:

For Director through 2021: Pat Knight, AD5XZ

If interested call 210-415-5733.

Radio Fiesta – We have two vendors, Rocco Enterprises for 2 tables and The Sign Man for 4 tables, so far. Follow-up with dealers is planned for next week. The Chairperson wants to get Main Trading Company signed up before ordering raffle prize radios from them. It is still early, but would like to get more commitments.

Ed Cox, KE3D, will do DX Card Checking from 9 a. m. to 2 p. m. Hasn't heard from a number of traditional vendors. Will be following up. Anyone who wanted a table. Forms are online. Program planning by JC moving long. Three shifts, think about signing.

Invitee responses from Texas VHF-FM Society and Army MARS have been received. The four ARRL people sent letters have not responded. AARO, SARO, or QCWA have not responded. Follow up with all invitees who have not yet responded will also be done next week. QCWA has been particularly unresponsive. If they remain so, there will be no more follow-up with them and no space, which is ½ table for them, will be set aside for them.

A draft of the flyer to be mailed in November 2016 has been done for over a month. It remains dependent on the program coordinator finishing his part, which JC Smith wants to done way before the end of the month, and the VEC confirming Schertz Library, which they cannot do until November 1, 2107.

Some research into 3-digit zip code areas in South Texas as a means of focusing the address list that we get from ARRL in November 2016, and valuable input from Rowena Archer on what to request from ARRL has been received. The objective is to have the list in hand during the first week of November. The mailing target date is just before Thanksgiving so addressees get it by late November-early December.

Raffle prize plan is 1st Prize (1) Alinco DX-SR8T 100w HF All Mode Transceiver, 2nd Prize (1) Alinco DR-135TMKIII 2 Mobile Transceiver, and 3rd Prize (2) Baofeng UV-FR Dual Band HT. The planned source is Main Trading Company for the Alinco radios. Amazon might be the source for the Baofeng HTs.

Bob Rodriguez as Tailgate coordinator will also handle inside security. The staffing plan is 3 two hour shifts starting at 6:00 a. m. Each shift will have 2 outside tailgate workers and 4 inside security personnel for the doors. Of course, a person can sign up for multiple shifts like Bob Rodriguez is on for all three shifts.

It is intended that a staffing plan for all positions be set up with some exceptions. Programs will have their own plan and schedule. VEs will have their own plan and schedule. The plan will cover the night before setup period as well.

VEC – The next regularly scheduled session is 10:00 a. m. on October 22, 2016 at the Great Northwest Library.

Centennial Commemoration (Temporary) - Tom O'Brien, AB5XZ, is going to look into setting up at the San Jose Mission.

CW Training (Temporary) – No report because Joe Bruno, W5AUQ, is absent due to illness.

Old Business - None

New Business - None

Announcements for The Good of Amateur Radio

Richard Elder, WB5ACN, announced that he has two Baofeng BF-666S radios that he can sell to interested members. He also has earphones for them. He also has some flashing safety vests as well good for working events

Meeting adjourned at 8:18.

Lloyd Swartz, KF5ZHW
Secretary



Volunteer Examiners at Work



Pat Knight, AD5BR, Chairperson, Volunteer Examination Committee, and several members of that committee gathered on Saturday, October 22, 2016, 10:00 a. m. at the Great Northwest Library for the regularly scheduled 4th Saturday of the even month test session. This test session is open to the public although pre-registration is encouraged.



Volunteer Examiners and license candidates at the Great Northwest Library on October 22, 2016

There was a total of 7 candidates at this session, which took about 2 hours to do. All candidates passed the examination they came to take and some passed a second examination. All in all, it was a very good examination session. Offers of complimentary membership in the San Antonio Radio Club for the rest of the year were accepted by some who passed their Technician examination.

Jamboree On The Air (JOTA)



Jamboree On The Air (JOTA) was held on Saturday, October 15, 2016, at the Texas Transportation Museum (TTM). SARC member Pete Shavney, WA3OVH, made the arrangements for the use of TTM. Pete, WA3OVH, is a long term member of TTM. TTM could not have been more gracious hosts. TTM gave us the use of their party pavilion for free, which also meant they forego all opportunities to rent it that day. TTM admitted Scouts in uniform and their leaders for free and then they admitted accompanying family members for free. Everyone was permitted to see the exhibits at TTM and ride their 1:1 (real) train.



Sign at the entrance to TTM



Party Pavilion and JOTA Headquarters for the Day

Bob Rodriguez, K5AUW, SARC's JOTA Committee Chairperson, arrived at TTM before 9:30 a. m. along with Matthew Rottman, K5NON. Harold Fleischer, AE5AS, arrived at the designated start set up time of 9:30 a. m. Two radios and two antennas were up and working by the start of operations at 10:00 a. m. Initially, Bob, K5AUW, was a mentor on the radio, while Matthew, K5NON, and Harold, AE5AS, did radio introductions and how to talk on the radio drills with Scouts. Later, Matthew, K5NON, became a mentor on the second radio. Pete Shavney, WA3OVH, and Lloyd Swartz, KF5ZHW, arrived later in the day and assisted.



Radio Antennas behind Pavilion



Bob Rodriguez, K5AUW, mentoring Scouts on Radio

The 59th JAMBOREE-ON-THE-AIR form was started during the introduction and then completed with a radio mentor. The form proves that the Scout (1) met the requirement for the Radio Merit Badge for contacts over a radio and (2) that they had participated in JOTA and were eligible to buy the 59th JOTA at the Scout store. The drill form was used by those doing introduction training to get Scouts to answer questions in whole sentences and then to ask questions in whole sentences. It worked. Bob, K5AUW, said the Scouts were the best prepared that he has had for JOTA. JOTA was a success for all participants, and Bob, K5AUW, said that SARC had over twice as many participants as we did last year.



Two radio stations in the background with a crowd



Matthew Rottman, K5NON, mentoring Scouts on Radio

QRM Are you being interfered with? / I am being interfered with.
 QRN Are you troubled by static? / I am troubled by static.
 QSB IS my signal fading? / Your signal is fading.
 QSL Can you acknowledge receipt? / I am acknowledging receipt.
 QSO Can you communicate with ... Directly? / I can communicate with ... Direct
 QTH What is your position (location)? / My position (location) is
 CQ looking for contacts (example CQ CQ this "your call")
 73 Best Regards Signal Reports, RS; R=1—5 Readability S=1 — 9 Signal Strength

1. What is your favorite thing to do in scouts
2. What rank are you
3. What is your troop/pack
4. How long have you been a scout
5. Are you going to try to get your Eagle
6. Why did you join the scouts
7. What city do you live in
8. What state / country were you born in
9. What have you learned in merit badge class
10. What is the last merit badge you earned
11. What did you have to do to earn it
12. What was the first merit badge you earned
13. How many merit badges have you earned
14. What is the next merit badge are you going to try to earn
15. What is your favorite thing in school
16. Who is your favorite teacher
17. What grade are you in
18. What is your favorite car
19. What is your favorite pet
20. What is your favorite food
21. What is your favorite drink
22. What do you like to do for fun/hobby
23. What did you do for the summer



24. Do you know anyone that is a ham radio operator
25. How many scouts are in the merit badge class
26. Did you go to the National Scout Jamboree or going to
27. Have you lived in any other states
28. Have you lived in another country
29. Have you visited another country
30. What to you what to do when you graduate from school
31. What is your favorite sport
32. What is your favorite team
33. What kind of music do you listen to
34. Who is your favorite band/singer
35. What is your favorite movie
36. Who is your favorite actor/actress
37. What is your favorite video game
38. What is your favorite TV show
39. Do you play sports What sport
40. Do you have brothers or sisters
41. What is your least favorite thing in school
42. Why are you taking radio merit badge
43. What camps have you been to
44. What is your favorite color
45. How many scouts in your troop/pack



The successfully used drill sheet for answering and asking complete questions on the radio



Our Field Day Equipped Has Been Moved

For a few months now, Joe Bruno, W5AUQ, Chairperson, Field Day Committee, has been working to move our Field Day Equipment from the storage site that has been used for the last few years since they raised their rates from \$70 per month to \$120 per month starting on November 1, 2017. Joe, W5AUQ, offered space in the garage/warehouse (hereafter Joe's garage) for his wife's bookstore. The Board agreed to take the offer, and Harold Fleischer, AE5AS, President, entered into negotiations over the lease and signed it. The rent is \$25 for 96 square feet which is a little more space than SARC had.

Joe, W5AUQ, had cleared the space agreed upon and was about to lead the physical move effort when he became ill (see the minutes where members signed get well cards). Harold, AE5AS, told Joe, W5AUQ, not to worry, he and other SARC members would take care of it. From here, the story only gets better.



On Thursday, October 20, 2016, Lew Archer, W0YVY, met Harold, AE5AS, at Sam's Club where 3 industrial grade shelving units 72" H x 72" W x 24" D were bought. These units fit in the SUV that Lew, W0YVY, had like they were made for each other. They took them to Joe's garage where they started erecting them. About 20 minutes later, Rich Roudebush, N4DCA, arrived at 11:15 a. m. arrived as planned to help set up the shelves. By 1:15 p. m., the shelves were up and in place. Lew, W0YVY, left to keep another appointment. Harold, AE5AS, and Rich, N4DCA, went to the old storage site and arrived about 2 p. m. Richard Elder, WB5ACN, who

had the key, Rodney Brown, AA5RB, and Cray Lester, K5MUG, were already there as 2 p. m. was the appointed time. Approximately, 90% of everything there was loaded into the five vehicles with the largest items on the pickup trunk that Rodney, AA5RB, had. The trailer, tower, some antennas, and two shelving units were left. Everyone then drove over to Joe's garage. By 4:15 p. m. everything was unloaded and reasonably stored away.



The shelving crew: Lew Archer, W0YVY, Harold Fleischer, AE5AS, and Rich Roudebush, N4DCA.



The moving crew: Cray Lester, K5MUG, Harold Fleischer, AE5AS, Rodney Brown, AA5RB, Rich Roudebush, N4DCA, and Richard Elder, WB5ACN

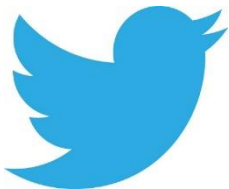


The trailer crew: Scott Koehler, Harold Fleischer, AE5AS, and Richard Elder, WB5ACN

Arrangements were made with a friend of Harold, AE5AS, who had a pickup truck with trailer hitch. Scott Koehler arrived at 10:00 a. m. on Thursday, October 27, 2016, with his pickup truck and met Richard, WB5ACN, and Harold, AE5AS. The now lightweight trailer was hooked up, the storage unit was swept out, and all three departed for Joe's Garage. By 11:00 a. m., all equipment was offloaded and the trailer securely chained to a telephone pole.

This was obviously a team effort in the absence of Joe, W5AUQ. While he and his wife were kept informed of what was going on and their daughter Jamie and grandson Daniel helpful when we were at the bookstore/warehouse/garage, it was the SARC members who came together to make it happen so Joe and his wife were focused on the right thing: Joe's health.

SARC Tweets



Reminder: there are two active Twitter accounts for the San Antonio Radio Club. They are @SARadioClub and @ARadioFiesta.

The @SARadioClub is being used to publicize SARC meetings. It can be used for other things like promotion of VEC testing and classes.

As Radio Fiesta 2017 work has commenced, the @ARadioFiesta is being used again for the January 14, 2017 Radio Fiesta.

SARC members are encouraged to follow both Twitter accounts.

SARC Facebook



There is a San Antonio Radio Club – SARC (@saradioclub) Facebook Page.

The newsletter editor is making posts about SARC meetings and other activities. Any Officer, Committee Chairperson, or member who believes that they have information that should be posted to this page should contact the newsletter editor using the contact information for the newsletter editor on page 2 of this newsletter.

SARC members are encourage to follow this Facebook Page.

Amateur Radio Equipment Donation

SARC received the following items over the last year with the prices shown being the estimated value with eBay being a prime source for the value:

Hammarlund HF+-6M Radio Receiver Model Number HQ-110 16.5" W x 9.5" H x 9.5"D	\$160
Speaker, 9" W x 9" H x 7.25" D, goes with Hammarlund Radio	\$50
Drake 2M Radio Transceiver TR22 SN 450681 .25" W x 2.25" H x 7.25 D w/ Microphone on Coiled Cord	\$50
Hallicrafters Transmitter Model HT-40 SN 102117 13.25" W x 7.25" H x 8.5" D	\$100
Antenna, Steel Whip on Spring Mount Base 50" L PL-239	\$10
EICO In Circuit Capacitor Tester Model 955 SN 13007 .1-50 MFD 5.75" W x 9.5" H x 5.5" D	\$25
Micronta 43-Range Multitester 5.25" W x 6.5" H x 2.5" D in box w/ instructions w/ Black and Red Test Probes	\$25
Knight P-2 SWB/Power Meter with Connected Transmission Line Interface Box	\$25
Eico Grid Dip Meter Model 710 2.75" W x 2.25" H x 7" D w/ Box of Plug In Coils for various Frequencies	\$35
Frequency Plugs, Various, 10 total	\$10
Straight Key mounted on heavy steel base with plug cord	\$25
Type CRP-53198 RF Filter Assembly	\$10
Honey Galvanometer 2420A (2 each)	each \$15

The following are pictures of this equipment:



Hammarlund HQ-110



Hammarlund Speaker



Drake 2M TR22



Hallicrafters HT-40



Base of Whip Antenna



Eico Model 955



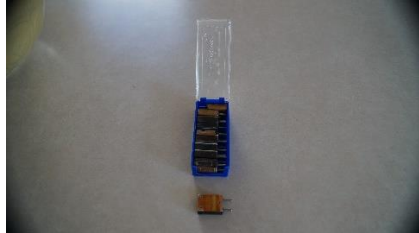
Micronta 43-Range Multitester



Knight P-2 SWB/Power Meter



Eico Grid Dip Meter Model 710



Frequency Plugs, 10 ea, Various



Straight Key on Heavy Base



Type CRP-53198 RF Filter Assembly



Type CRP-53198 RF Filter Assembly



Honeywell Galvanometer 2420A

There are some other pictures available and of course the original picture files with a lot more resolution. The newsletter editor can provide these pictures upon request.

SARC has determined that as a club SARC cannot use any of this equipment. It is being offered to SARC members now **AS IS**. *It has not been tested so its condition is unknown.* While SARC officers have a duty to not give away equipment that has a value, they recognize that the estimated values shown are just that. At the same time, the donation was made to SARC to try to maximize the potential for the equipment to get used by another Ham. A member should make their offer to the President of SARC who is inclined to agree to any reasonable offer considering the buyer will be taking it **AS IS**. You can contact the President through the editor whose contact information is shown on page 2 of this newsletter.

Any donated amateur radio related equipment on hand by the time Radio Fiesta rolls around on January 14, 2017 will be offered for sale at Radio Fiesta.

SARC has a website:

w5sc.org

Webmaster: David Espinoza W5QS
W5qs@att.net
 210-287-5036

Amateur Radio License Classes

Plans to offer an Amateur Extra Course are being made.

For more information, contact:
 Bob Rodriguez K5AUW
 Instructor

SARC Meeting Dates for next 12 Months

November 10, 2016
 December (None)
 January 5, 2017
 February 9, 2017
 March 9, 2017
 April 13, 2017
 May 11, 2017
 June 8, 2017
 July 13, 2017
 August 10, 2017
 September 14, 2017
 October 12, 2017

Meetings are held at Grady's Barbeque,
 327 E. Nakoma Dr., San Antonio, TX
 78216 at 7:00 p. m.

Come early and eat with other members coming early.

License Testing Dates for 2016 and early 2017

January 14, 2017
 February 25, 2017
 April 22, 2017
 June 22, 2017
 August 26, 2017
 October 28, 2017

Times and locations along with required document information can be found on SARC's website.

SARC does all its licensing testing as a part of ARRL Volunteer Examiner Coordinator (VEC) organization so all the Volunteer Examiners in SARC are duly authorized Volunteer Examiners of ARRL's VEC.

Field Day 2017

Setup: Friday, June 21, 2017
 Operations: Saturday, June 22, 2017
 & Sunday, June 23, 2017

Where SARC proves they are an eating group with a radio problem.

More information to follow, but hold these dates.

JOTA

Boy Scout Jamboree On The Air

This year's date is Oct 21, 2017. The plan is to again hold it at the Texas Transportation Museum.

For more information, contact:
 Bob Rodriguez, K5AUW

Radio Fiesta 2017

January 14, 2017
 Schertz Civic Center
 See newsletter article for more information

Emergency Communications

If you are interested in emergency communications, contact:
 JC Smith N5RXS